



Four times a year, Derrick Equipment Company offers a three-day Solids Control School at its Houston facility.



### 2011 Dates for Solids Control School

- March 15-17, 2011 Engineering Level
- July 19-21, 2011 Sales Personnel Level
- September 13-15, 2011 Engineering Level
- November 8-10, 2011 Field Service Level

The course is available in three versions:

- 1) **Engineering Level** – Designed for technical support and supervision personnel of operators, drilling contractors and service companies
- 2) **Sales Person Level** – Designed for technical training of sales personnel of solids control equipment and drilling fluid companies
- 3) **Field Service Level** – Designed for operation, service and maintenance personnel of drilling contractors, service companies and solids control equipment companies.

Class size is limited to 15 students to ensure an informative, hands-on experience.

To register, contact your local Derrick representative or Carrie Rentfro at [ckrentfro@derrickequipment.com](mailto:ckrentfro@derrickequipment.com).

In addition to the Houston three-day Solids Control School, Derrick can provide training sessions customized to meet your requirements at a location of your choice. Whether students are from distributor sales and service groups or customer engineering and operations departments, the course agenda can be tailored to meet your requirements. Selected topics can be presented in sessions ranging from one-half day to a full three day program.

To set up a school in your area, contact your local Derrick representative or Sam Bridges at [sdbridges@derrickequipment.com](mailto:sdbridges@derrickequipment.com)

## SAMPLE COURSE OUTLINE

### *DERRICK CORPORATE OVERVIEW*

### *SAFETY*

### *SERVICE AND SUPPORT*

### *SOLIDS CONTROL EQUIPMENT*

- Safety information
- Installation
- Operation
- Maintenance
- Screen tensioning system
- Vibrator motors
- Desander units
- Desilter units
- Centrifuges
- Degassers

### *G FACTOR AND G FORCE*

### *DRILLING FLUIDS*

- Funnel Viscosity
- Plastic Viscosity
- Yield Point

### *DILUTION*

- Cause and Effect

### *DRILLED SOLIDS AND REMOVAL RATES*

- Waste Stream Properties
  - % by volume / % by weight
- Slurry Density
  - Mud Weight / % Volume

### *SOLIDS / VISCOSITY*

### *HEAD, PRESSURE*

- Centrifugal pumps and problems

### *CUTTINGS CARRYING INDEX*

- Screen problems

### *CIRCULATING SYSTEMS*

- Compartments
- Mixing and Agitation

### *SOLIDS CONTROL EQUIPMENT SEQUENCE*

- Surface Mud System
- Removal and addition section
- Suction and testing
- Weir location

### *UNDERFLOW / OVERFLOW*

- Process Rates
- Back flow

### *DRILLING WASTE MANAGEMENT*

- Containment and Handling
- Treatment and Disposal

### *CLOSED LOOP OPERATION AND LAYOUT*

### *FLOCCULATION AND DEWATERING*